

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH24 1251-107721 - Rear Right Wheel Hub

Sample No: LH0244001

Oil Type: LIEBHERR 20W40 GEAR PLUS



SAMPLE INFORMATION

Sample Number	LH0244001	LH0258005	LH0229675	LH0147685
Sample Date	19 Jul 2023	27 Apr 2023	13 Sep 2022	22 Mar 2022
Machine Hours	8881	8247	6696	5504
Oil Hours	634	826	1192	1113
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	ATTENTION	NORMAL	NORMAL	NORMAL

POTOMAC METALS INC
 410 16TH AVENUE
 RANSON, WV
 US 25438
 Contact: Service Manager



OIL CONDITION

Visc @ 40°C	cSt	185	116	110	109
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T:
F:



CONTAMINATION

Silicon	ppm	2	8	7	7
Sodium	ppm	1	1	0	1
Potassium	ppm	0	0	0	0

Diagnosis

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is higher than normal. Confirm oil type. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	3	7	5	8
Copper	ppm	0	0	<1	<1
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	0	0	2	<1
Chromium	ppm	0	<1	<1	0
Molybdenum	ppm	0	0	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	<1
Manganese	ppm	0	<1	<1	<1
Vanadium	ppm	0	0	<1	0



ADDITIVES

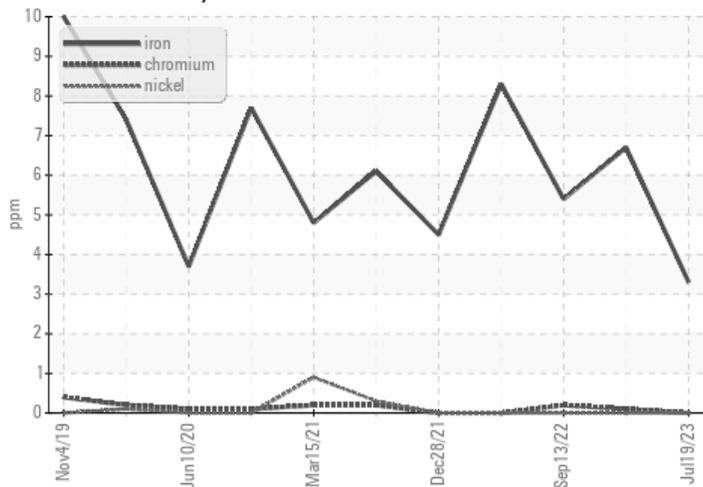
Calcium	ppm	369	3170	3022	3266
Magnesium	ppm	5	13	10	9
Zinc	ppm	156	1286	1280	1312
Phosphorus	ppm	2187	1174	1023	1158
Barium	ppm	0	0	0	0
Boron	ppm	3	62	25	47

Depot: POTRAN
Unique No: 10608966
Signed: Sean Felton
Report Date: 21 Aug 2023

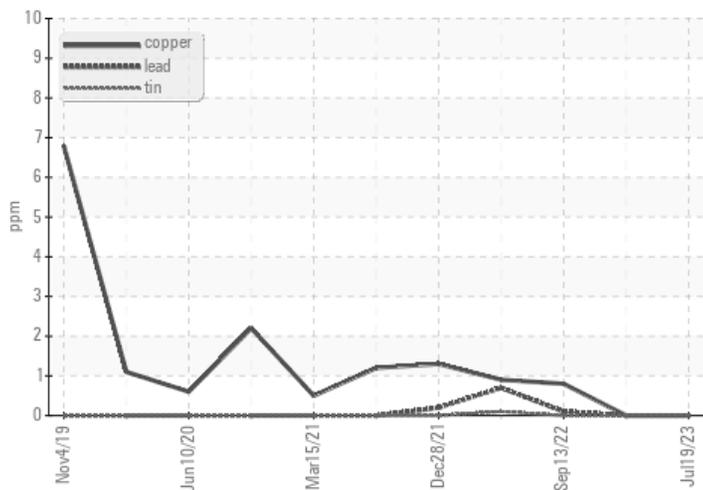


GRAPHS

Ferrous Alloys



Non-ferrous Metals



● Viscosity @ 40°C

